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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Pal Maliga, et al.

: Examiner: Anne R. Kubelik

Serial No. 09/762,105

: Group Art Unit: 1638

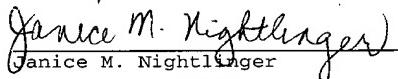
Filed: April 23, 2001

: Response to Paper No: 10

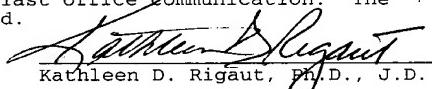
For: "Translation Control
Elements for High-Level Protein
Expression in the Plastids of
Higher Plants and Methods of
Use Thereof"

: Docket: 1594-RUT.00-0010US

Certificate of Mailing Under 37 CFR §1.8(a)
I hereby certify that this Correspondence is being deposited on
February 18, 2003 with the United States Postal Service as first-class mail
in an envelope properly addressed to COMMISSIONER OF PATENTS AND TRADEMARKS,
Washington, DC 20231.


Janice M. Nightlinger

Petition for Extension Under 37 CFR §1.136(a)
The undersigned hereby petitions for an extension of time of ONE (1)
month beyond the time period set in the last office communication. The
proper fee under 37 CFR §1.17 is enclosed.


Kathleen D. Rigaut, Ph.D., J.D.

Computation of Additional Fee

[] No Additional Fee is required.

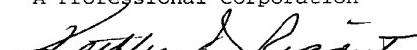
[X] A check is enclosed in the amount of \$ 55.00

*Applicant is a Small Entity.

In the event the check is improper, or the fee calculation is in
error, the Commissioner is authorized to charge any underpayment or credit
any overpayment to the account of the undersigned attorneys, Account No. 04-
1406. A duplicate copy of this sheet is enclosed.

DANN, DORFMAN, HERRELL AND SKILLMAN
A Professional Corporation

By


Kathleen D. Rigaut, Ph.D., J.D.
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#148
Date
3/19/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of) Examiner: Anne R. Kubelik
Pal Maliga et al.) Art Unit: 1638
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Elements for High-Level)
Protein Expression in the)
Plastids of Higher Plants)
and Methods of Use Thereof")

AMENDMENT AND REQUEST FOR RECONSIDERATION

UNDER 37 C.F.R. §1.111

In response to the Official Action dated December 17, 2002 please amend the above-identified application as follows:

In the specification:

At the indicated page and line numbers, please replace the existing paragraphs with those set forth below.

31
[(Page 3, line 12)] Key components of the prokaryotic translation machinery have been identified in plastids, including homologues of the bacterial IF1, IF2 and IF3 initiation factors and an S1-like ribosomal protein (Stern et al., 1997). Most plastid mRNAs (92%) contain a ribosome binding site or SD sequence: GGAGG, or its truncated tri- or tetranucleotide variant. This sequence is similar to the bacterial SD consensus 5'-UAAGGAGGUGA-3' (SEQ ID NO: 28; Voorma, 1996). High level expression of foreign genes of interest in the plastids of higher plants is extremely desirable. The present invention provides novel genetic translational control elements for use in plastid

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